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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/764,273	01/23/2004	Atsushi Itsuki	09852/0200822-US0	6185	
7278	7590 05/16/2006		EXAM	EXAMINER	
DARBY & DARBY P.C. P. O. BOX 5257			NAZARIO GONZA	NAZARIO GONZALEZ, PORFIRIO	
	, NY 10150-5257		ART UNIT	PAPER NUMBER	
			1621		
			DATE MAILED: 05/16/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office A. H	10/764,273	ITSUKI, ATSUSHI			
Office Action Summary	Examiner	Art Unit			
	Porfirio Nazario-Gonzalez	1621			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status ·					
Responsive to communication(s) filed on 14 App  2a) ☐ This action is FINAL. 2b) ☐ This  3) ☐ Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 3-20,23-26,29-32,35-37 and 40-43 is/s 4a) Of the above claim(s) is/are withdrav 5) ☐ Claim(s) 3-20,23,24,29,30,35,40 and 41 is/are 6) ☐ Claim(s) 25, 26, 31, 32, 36, 37, 42 and 43 is/ar 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration. allowed. e rejected.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the objected travel travel to by the Examiner  11) The oath or declaration is objected to by the Examiner  12. **The Declaration**  13. **The Declaration**  14. **The Declaration**  15. **The Declaration**  16. **The Declaration**  17. **The Declaration**  18. **The Declaration**  19. **The Declaration**  19. **The Declaration**  19. **The Declaration**  10. **The Declaration**  11. **The Declaration**  11. **The Declaration**  12. **The Declaration**  13. **The Declaration**  14. **The Declaration**  15. **The Declaration**  16. **The Declaration**  17. **The Declaration**  19. **The Declaration**  11. **The Declaration**  11. **The Declaration**  12. **The Declaration**  13. **The Declaration**  14. **The Declaration**  15. **The Declaration**  16. **The Declaration**  17. **The Declaration**  17. **The Declaration**  17. **The Declaration**  18. **The Declaration**  19. **The D	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal P				
Paper No(s)/Mail Date	6) Other:				

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## **DETAILED ACTION**

## Response to Amendment

1. The amendment to the claims filed April 14, 2006 overcomes the rejection to claims 5 and 37 under 35 USC § 112, second paragraph, the rejection to claims 1-3 and 33-35 under 35 USC § 102(b), and the rejection to claims 21-24, 27-30, 40 and 41 under 35 USC § 103(a). Note that claims 5 and 6, which are directed to a process for synthesizing an organometallic compound, does not exclude the metal amide compounds made in the '687 JP patent. Further note that although the instant process and the '687 JP process are different, their respective products are not (titanium and zirconium metal amides). Therefore, the raw solutions containing said metal amide compounds, as well as their respective metal nitride thin films, are anticipated over the '687 JP patent and are obvious over the '687 JP patent in combination with Zenzaki et al., respectively. Thus, the rejection of claims 36 and 37 under 35 USC § 102(b) and the rejection of claims 25, 26, 42 and 43 under 35 USC § 103(a) stand.

### Allowable Subject Matter

1. Claims 3-20, 23, 24, 29, 30, 35, 40 and 41 are allowed.

### Conclusion

2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Porfirio Nazario-Gonzalez whose telephone number is 571-272-0641. The examiner can normally be reached on Mon.-Fri. (9:30 AM - 6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman K. Page can be reached on 571-272-0602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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PNG May 12, 2006